

An aerial photograph of a modern urban development, likely the 'The Curve' in Singapore. The image shows a multi-level structure with extensive green terraces and walkways, integrated with a highway and surrounding city buildings.

# C-GUS

## CENTER OF GREEN URBAN STUDIES

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# CENTER OF GREEN URBAN STUDIES



Concern terhadap proses pembangunan :  
perencanaan, perancangan, pelaksanaan, pembangunan dan penghunian dengan berbasis (mainstream) kehidupan yang harmonis menuju green urban, city, area, landscape and architecture and human behaviour.



# ACTIVITIES



- Research
- Publication
- Social Services
- Seminar and workshop
- Education

## New Green City Block in Singapore

Designed by [Foster+Partners](#), the new 150,000 sqm green city block in Singapore will be located between the Marina Center and the Civic District.

The complex will fill an entire city block between Singapore's Marina Center and the Civic District with commercial, residential, retail, hotels, and a 'green' link to an Mass Rapid Transit (MRT) station.

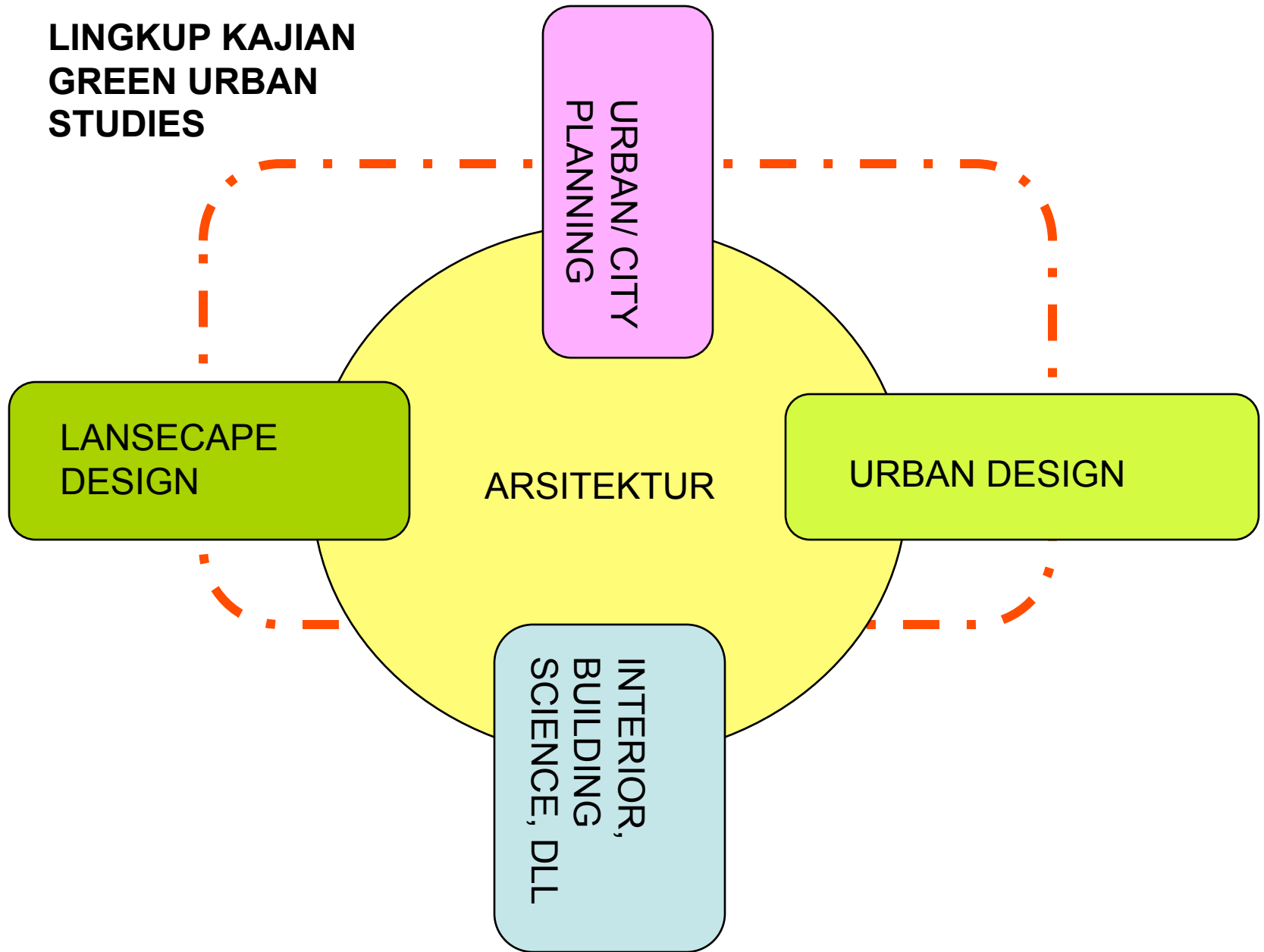


# LINGKUP KAJIAN

- Urban planning and Design
- Landscape Design
- Tourism
- Housing and Human Settlement
- Specific Areas (Water front, Wetland, Industrial area, Marine, Hilly)



**LINGKUP KAJIAN  
GREEN URBAN  
STUDIES**



# GO TO GREEN

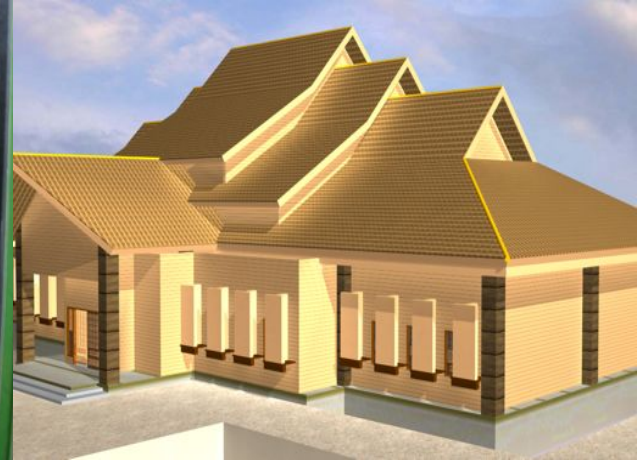




# CONTOH TUGAS AKHIR

## SPORT AND WATER FACILITY AT KAPUAS RIVERBANK – PONTIANAK

BETTING VILLAGE AS DESIGN  
PRECEDENT



# CONTOH JUDUL

- PIKATAN PARK SEBAGAI FASILITAS WISATA EDUTAINMENT DENGAN PENDEKJATAN SUSTAINABLE LANDSCAPE
- AMBOJA RESTO DAN SPA DI KALIURANG, PENEKANAN PADA RANCANGAN TROPICAL LANDSCAPE YANG REKRETAIF
- RESORT DI PANTAI BATAKAN KALIMANTAN
- PUSAT PAMERAN SEBAGAI LAND MARK KOTA PURWOKERTO BERBASIS GREEN DESIGN
- PASAR SENI SEBAGAI LAND MARK KOTA TADULAKO
- BATAVIA CAFÉ PADA KAWASAN SUNGAI CILIWUNG DENGAN PENDEKATAN LANDSEKAP
- SECRET JUNGLE PARK : TAMAN DI PUSAT KOTA JOGJA
- REDESIGN TAMAN BUDAYA PADA KAWASAN WATERFRONT SUNGAI KAPUAS, TATA RUANG LOKAL SEBAGAI PENDEKATAN PERANCANGAN
- MOTEL KAFE DI KAWASAN WISATA KLEDUNG PASS, Penekanan pada Optimalisasi View dan Vista Panorama Alam Kledung Pass





The beauty of the site, the existing village community and the traditional harmony of Balinese culture, each demanded design solutions that left them unharmed. The area of development extends from the crest of a hill steeply down to the Petanu River flowing from the North of the village. The sight and sound of the river, the source of vital irrigation for the surrounding rice fields, contributed immensely to the beauty of NATURA.





# Villa Ombak Luwung, Canggu, Bali



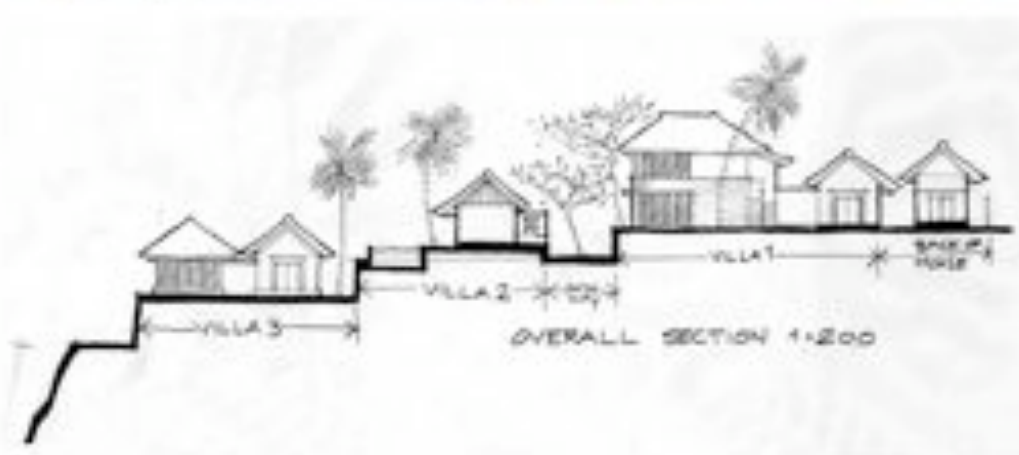
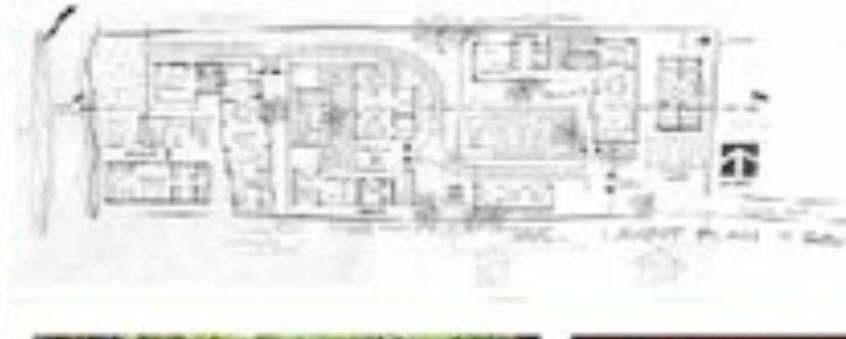




SMARA BAI,  
Ketewel, Gianyar - Bali







Gayatri



## *Ubud Hanging Gardens*

Bali, Indonesia

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Architecte/ Designer:

POPO DANES

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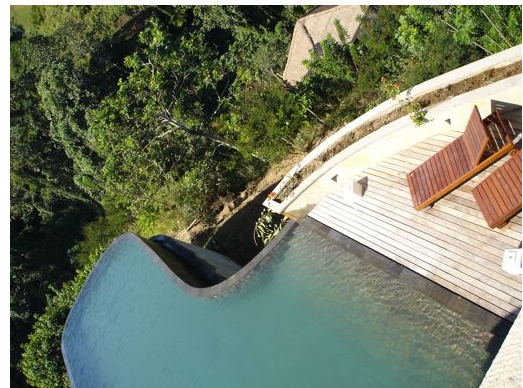
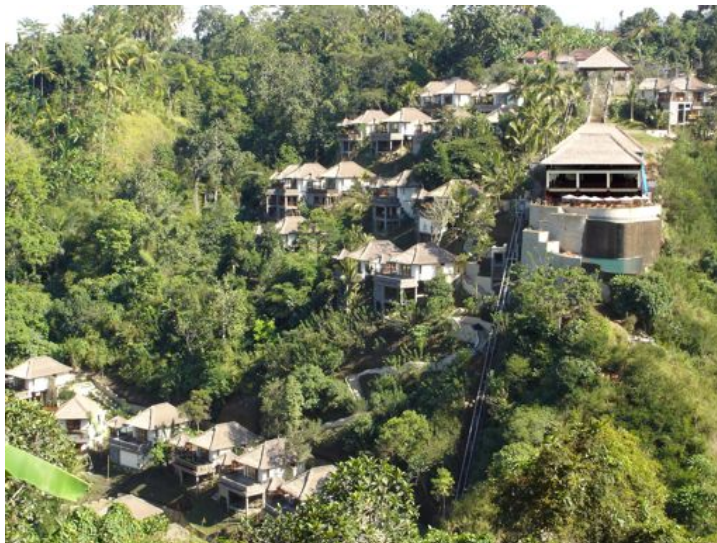
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*Ubud Hanging Gardens*  
Bali, Indonesia





*Rajadhani*  
ရာဇဓာနီ







# THE JEWEL,

Tiara Nusa, Goa Gong, Jimbaran-Bali





Senggigi,  
Batu Bolong, Senggigi - Lombok







# MODEL PENGUJIAN PADA C\_GUS

C\_GUS  
CENTER OF GREEN URBAN STUDIES



Contoh  
Model Pengujian  
GREEN OPEN SPACE

Variabel	Indikator	Parameter
1. Muka tanah	Penutupan lahan dengan bangunan maksimal 50%	Prosentase luas bangunan dan tapak
	Site menyerap 80% keseluruhan air hujan yang jatuh ke dalam site	Prosentase resapan air dalam tapak

## Lanjutan

Variabel	Indikator	Parameter
<b>2. Vegetasi</b>	Tanaman tidak merusak konstruksi	Karakteristik perakaran
	jenis vegetasi cepat tumbuh dengan fungsi sebagai peneduh	Waktu pertumbuhan, lebar canopi tumbuhan
	Vegetasi menaungi taman dan sirkulasi → sebesar 40%	Persentase Luas naungan vegetasi
	Vegetasi menaungi semua perkerasan (jalan, parkir, pedestrian) → min 30 %	Persentase Luas naungan vegetasi
<b>3. Perkerasan</b>	Bahan konstruksi perkerasan tidak toksit	Standar toksisitas (tidak larut dalam air),
	Bahan konstruksi perkerasan dapat digunakan kembali	Material mudah digunakan kembali

# PENGUJIAN

## A. KUANTITATIF

- Menghitung dan membandingkan luas antara bangunan dan tapak
- Menghitung dan membandingkan Prosentase resapan air dalam tapak
- Menghitung dan membandingkan Prosentase Luas naungan vegetasi
- Menghitung dan membandingkan penggunaan material ramah lingkungan (reuse, renewable, non toksik, dll.)
- Dsb.



## B. KUALITATIF

- Interkorelasi karakteristik visual
- Environmental relationship: terintegrasi dengan alam
- Dsb.

